



See Life Connected

Miniaturized confocal endomicroscope for pre-clinical and translational research.

Real-time, *in vivo* imaging at the cellular level in living, breathing & moving tissue.

Unparalleled flexibility for difficult to access tissues.

Portable plug-and-play confocal microscopy.



Optiscan^o

ViewnVivo

ViewnVivo®: Unique Features and Specification

Feature	Specification
Optical Resolution	0.55µm lateral 5.1 µm axial ViewnVivo is the highest resolution endomicroscope in the market
Image Resolution	Megapixel image resolution, with each pixel a unique measurement from detector. ViewnVivo offers the highest image quality output available in the market. Other endomicroscope devices produce images with a maximum 50k original pixels. These pixels are then duplicated to increase image resolution, but not add any further information.
Z-depth	Operator controlled z-focus position (0–400µm with 1µm sensor/display resolution and 3µm step size). This offers the users the ability to get unparalleled detail and create automated 3D image stacks ViewnVivo is the only endomicroscope device with operator-controlled z-sectioning and z stacking in the market. Alternative devices cannot do z stacking.

ViewnVivo®: Standard Features and Specification

Feature	Specification
Laser power	10-1000µW
Laser	488nm
Image Capture Modes	Single frame Continuous capture Z-stack Roll-back (the last 60 frames are saved in the memory buffer)
Probes	The smallest diameter probes in the market allow HD image quality output and sub-cellular level resolution. The highest resolution probes from alternative manufacturers are 4.2mm Ø. 44mm X 4.0mm Ø 66mm X 4.0mm Ø 300mm X 4.0mm Ø
Umbilical	Fibre optic confocal unit allows imaging from any angle Allows imaging of large live animals in cellular detail in 3D 1.5M or 2.8M Robust and flexible silicone reinforced with stain-less monocoil and fibreglass braid; 6.0mmØ
Sterilizable sheath option	Yes - Sterilisable sheaths allow live imaging without risking contamination
Filters	8 Standard filters Long Pass Filters- >515nm, >540nm, >570nm Band Pass Filters- 515-575nm, 515-530nm, 530-550nm, 550-575nm Reflection – ND3.0 (0.1% transmission) Additional 4 custom filter positions
Frame rate	Up to 3.5fps
Aspect ratio	1:1, 5:4, 4:3, 16:10, 16:9
Dynamic Gain Adjustment	Yes
Dynamic filter change	Yes
Probe change without turning off system	Yes